

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v44)**

1. Expand the following expression into standard form.

$$(8x - 3)(6x + 7)$$

2. Solve the equation.

$$(2x + 7)(8x + 9) = 0$$

3. Expand the following expression into standard form.

$$(7x + 9)(7x - 9)$$

4. Expand the following expression into standard form.

$$(2x - 9)^2$$

5. Factor the expression.

$$x^2 + 3x - 40$$

6. Factor the expression.

$$64x^2 - 81$$

7. Solve the equation with factoring by grouping.

$$15x^2 - 20x + 18x - 24 = 0$$

8. Solve the equation.

$$9x^2 - 18x + 2 = 2x^2 + 5x - 4$$